

JOB OFFER

Position in the project:	Researcher for the Sonata project no. 2020/39/D/ST2/01234
Scientific discipline:	quantum physics/mathematical physics
Job type:	Part-time employment, civil contract, salary supplement <i>(flexible form of employment)</i> Financed by the National Science Center Poland
Number of positions offered:	1
Remuneration/stipend amount/month:	PLN ~ 2 454, 50 gross per month
Position starts on:	February 1st 2023 (negotiable)
Maximum period of contract	22 months
Institution:	Institute of Theoretical Physics and Astrophysics, University of Gdansk, Gdansk
Project leader:	dr Michał Studziński
Project title:	Symmetries and entanglement in quantum circuits (in Polish: Symetrie i splątanie w obwodach kwantowych)
Project description:	We are looking for a Senior Researcher About the “Symmetries and entanglement in quantum circuits “ project: In the project, we plan to focus on developments in port-based teleportation protocols and studying and designing new protocols for reversing unknown quantum transformations. In both cases, we plan to develop and analyze new applications in quantum information science (new simpler models of universal programmable quantum processors, theoretical limitations of the usefulness of quantum computers, and limitations of quantum mechanics in this area in general). From the technical point of view research objectives strongly relies on methods coming from groups and algebras representation theory, quantum combs formalism, and semidefinite programming.
Key responsibilities include:	<ol style="list-style-type: none"> 1. Active scientific research. 2. Presentation and discussion of ideas and results with a diverse audience and at the external events. 3. Participation in mentoring of PhD students. 4. Active participation in seminars, group meetings, etc.
Profile of candidates/requirement	<ol style="list-style-type: none"> 1. PhD degree in physics, mathematics or computer science; 2. proven scientific record; 3. experience in at least one of the following domains: representation theory, quantum information, operator algebras. 4. The candidate should be committed to working collaboratively within inclusive and diverse environment. 5. Good written and oral communication skills are appreciated.

We offer:	<ol style="list-style-type: none"> 1. Employment in a rapidly developing unit, 2. Scientific and organizational support. 3. Basic equipment and core facilities. 4. Friendly, inspiring, interdisciplinary environment. 5. flexible form of employment (part-time employment, civil contract, salary supplement).
Required documents:	<p>1. curriculum vitae - with a note: <i>I hereby give consent for the University of Gdansk to process my personal data as contained in application documents for the purposes of the competition process for the position of the Post-doctoral Researcher in the project: "International Centre for Theory of Quantum Technologies" offered by the International Centre for Theory of Quantum Technologies of the University of Gdansk in accordance with the general regulation of 27 April 2016 on the protection of personal data.</i></p> <p><i>Moreover, I declare that I have been informed as to the option of withdrawing my consent at any moment and that withdrawal shall not interfere with the legality of the processing conducted on the basis of my consent prior to the withdrawal.</i></p> <ol style="list-style-type: none"> 2. a research resume with a list of research projects in which the candidate took part (with specification of the role); PDF files of 3 most important publications; A list of talks at conferences and workshops, and a list of prizes and awards; 3. Documents confirming scientific degrees (copy of PhD diploma, or equivalent);
Please submit the documents to:	michal.studzinski@ug.edu.pl , marta.krzyzkowska@ug.edu.pl
Application deadline:	January 31, 2023

Information clause (RODO)

In accordance with the general regulation of 27 April 2016 on the protection of personal data, hereinafter referred to as GDPR, we wish to inform you that:

1. The Administrator of your personal data is the University of Gdansk, with its seat at (80-309) Gdansk, ul. Jana Bażyńskiego 8.
2. The Administrator has appointed a Data Protection Officer who may be contacted on the following telephone number: (58) 523 24 59 or e-mail address: poin@ug.edu.pl.
3. Your personal data shall be processed for the purposes of the recruitment process for the position of the Post-doctoral Researcher in the project: "Symmetries and entanglement in quantum circuits"
4. The legal basis for processing your personal data for the purposes of recruitment shall be Article 6 Section 1 Point c of the GDPR, with processing being necessary for the fulfilment of a legal obligation to which the Administrator is subject, particularly Article 118a of the Law on Higher Education as well as Article 221 of the Labour Code. The condition legalising the processing of personal data provided voluntarily by the candidate, which is beyond the scope of data referred to in Article 221 of the Labour Code, shall be Article 6 Section 1 Point a of the GDPR – consent by the data subject.
5. Providing your personal data, subsequent to the decision to enter the recruitment process, is obligatory within the scope defined by Article 221 of the Labour Code and the Law on Higher Education and determines the possibility of applying for work as well as possible further employment. In the case of personal data which is beyond the scope of the aforementioned legal regulations, providing your data is voluntary but it does determine the possibility of participating in the recruitment process. Your personal data shall be processed on behalf of the data administrator by authorised personnel purely for the purposes referred to in Point 3.
7. Your personal data shall be stored for a period of time necessary for the fulfilment of the aims referred to in Point 3. Should the recruitment outcome prove negative, your data shall be removed immediately at the completion of recruitment, unless otherwise provided by the record-keeping regulations – then for a period of time specified in these regulations.
8. Your personal data shall not be shared with external entities with the exception of cases provided for by legal regulations. Should you submit your application documents in electronic form, the recipient of your data may be an entity acting on behalf of the administrator i.e. a mail service operator.
9. Under the terms of the GDPR, you shall be entitled to:
 - a. the right to access your data,
 - b. the right to rectify it if factually incorrect,
 - c. the right to remove or restrict the processing of the data as well as the right to data portability – in cases prescribed by the law,
 - d. the right to object to the processing of the data,
 - e. the right to file a complaint with the supervisory authority – the President of the Personal Data Protection Office, should you consider that the processing of your personal data violates personal data protection regulations.